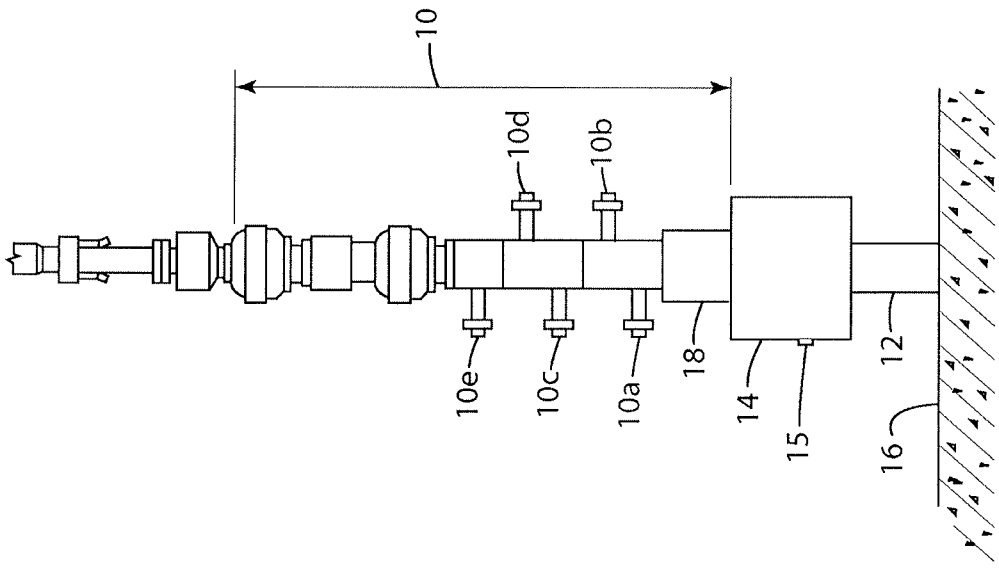


Figure 1
(Background Art)

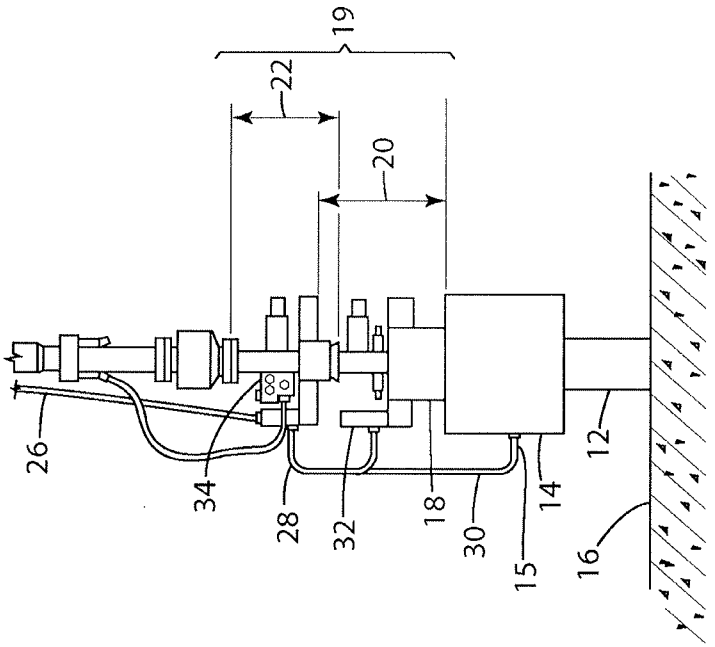


Figure 2
(Background Art)

Figure 3

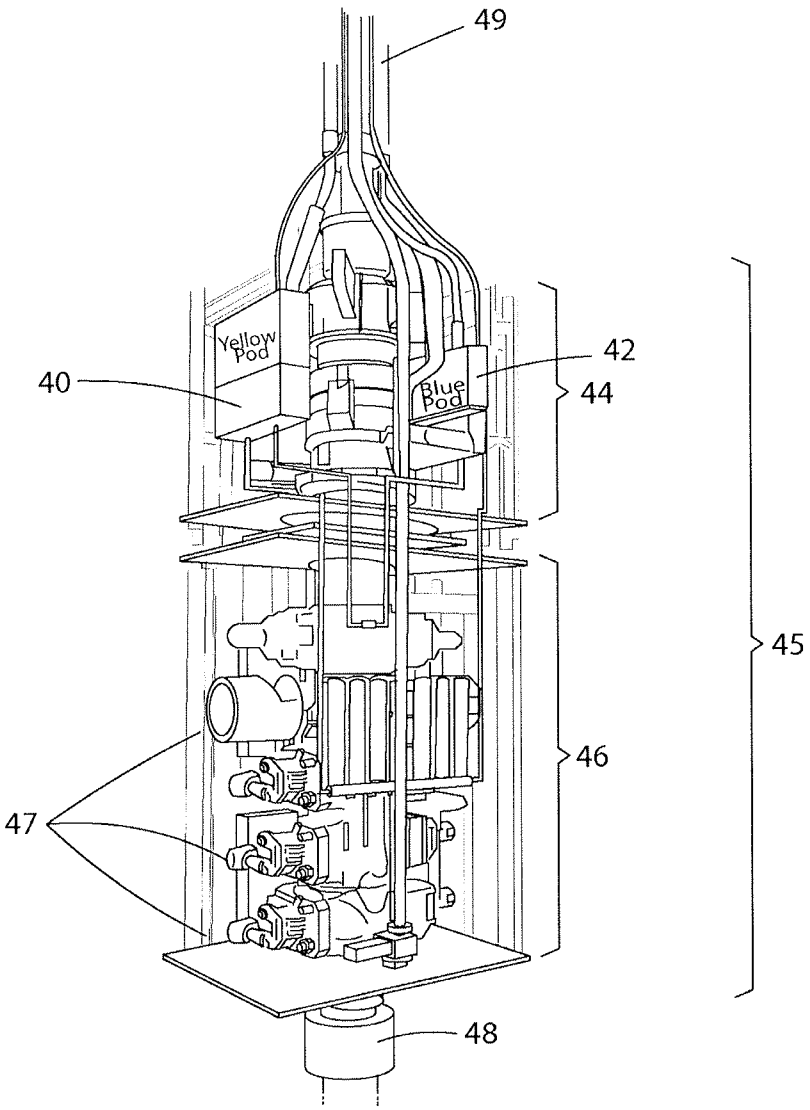


Figure 4

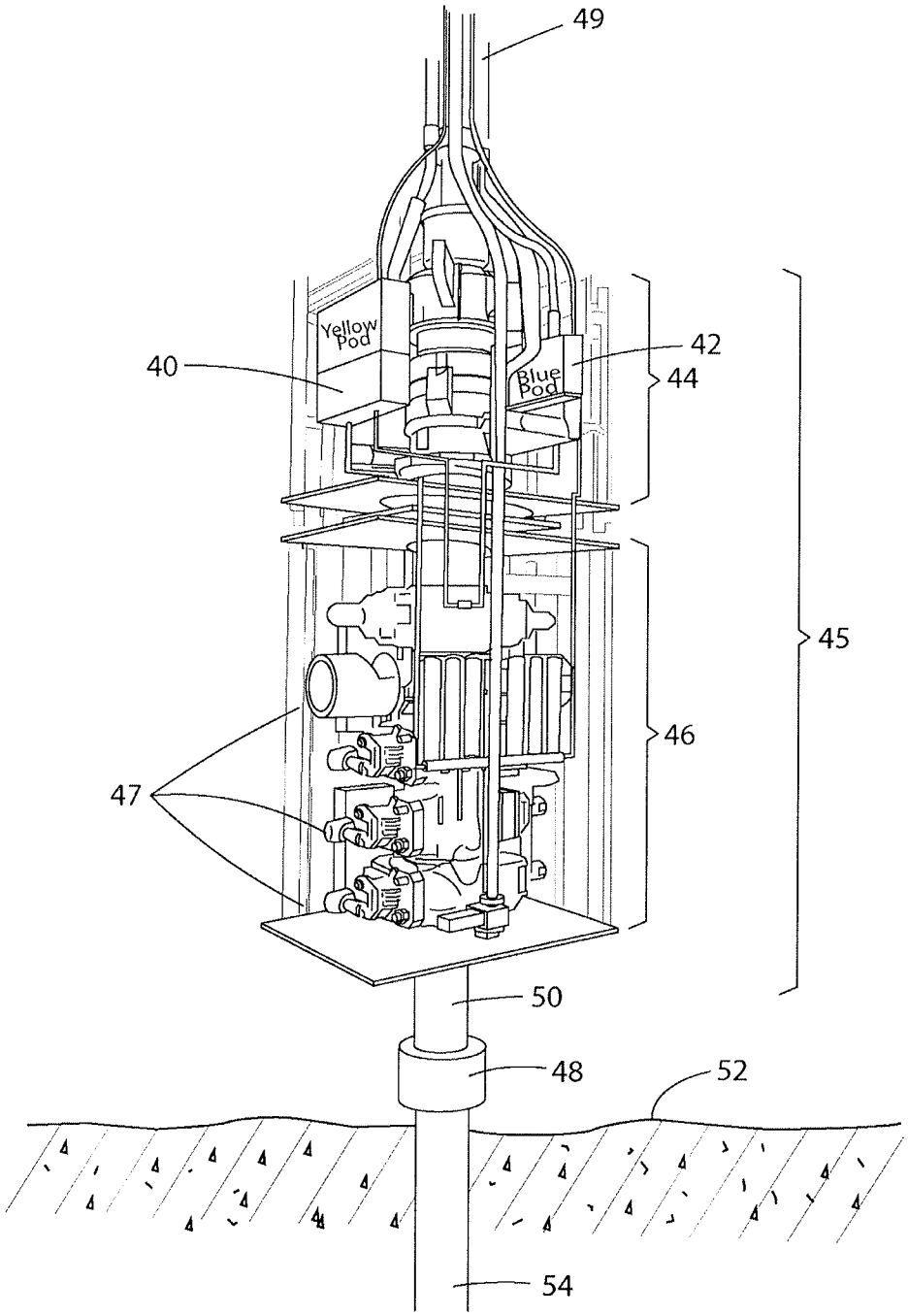


Figure 6

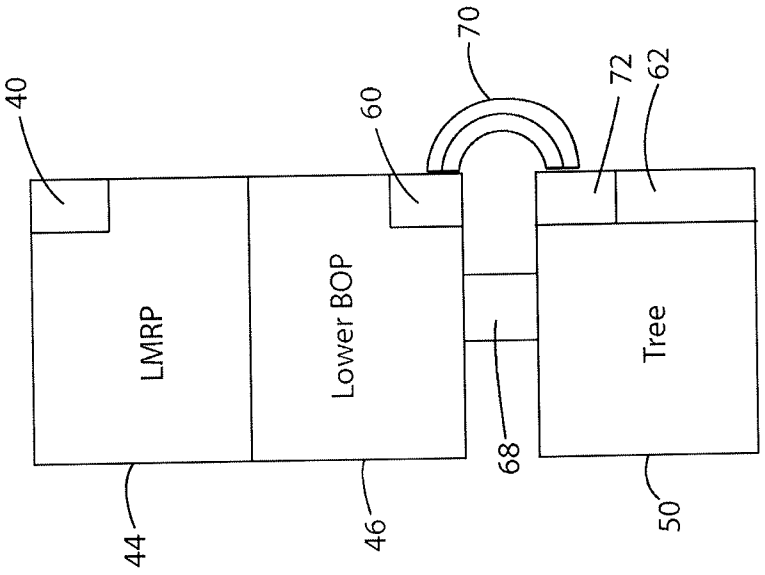


Figure 5

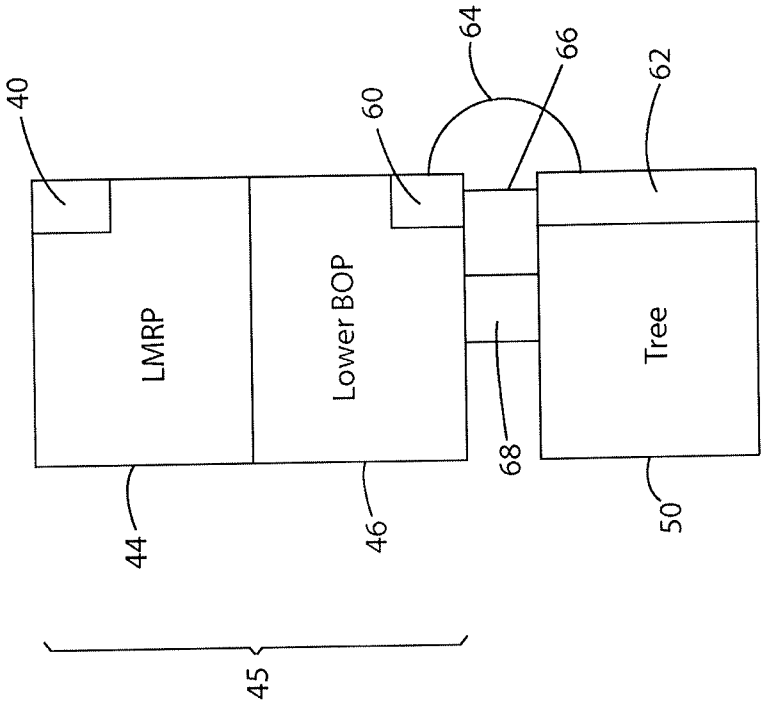


Figure 7

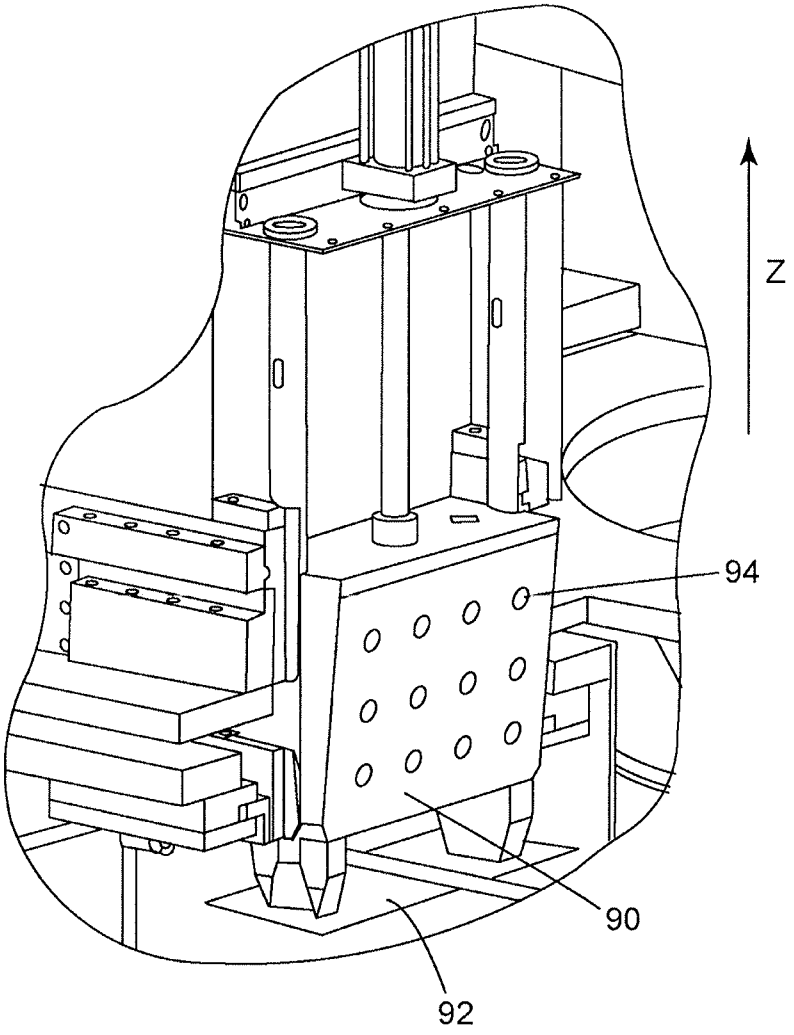


Figure 8

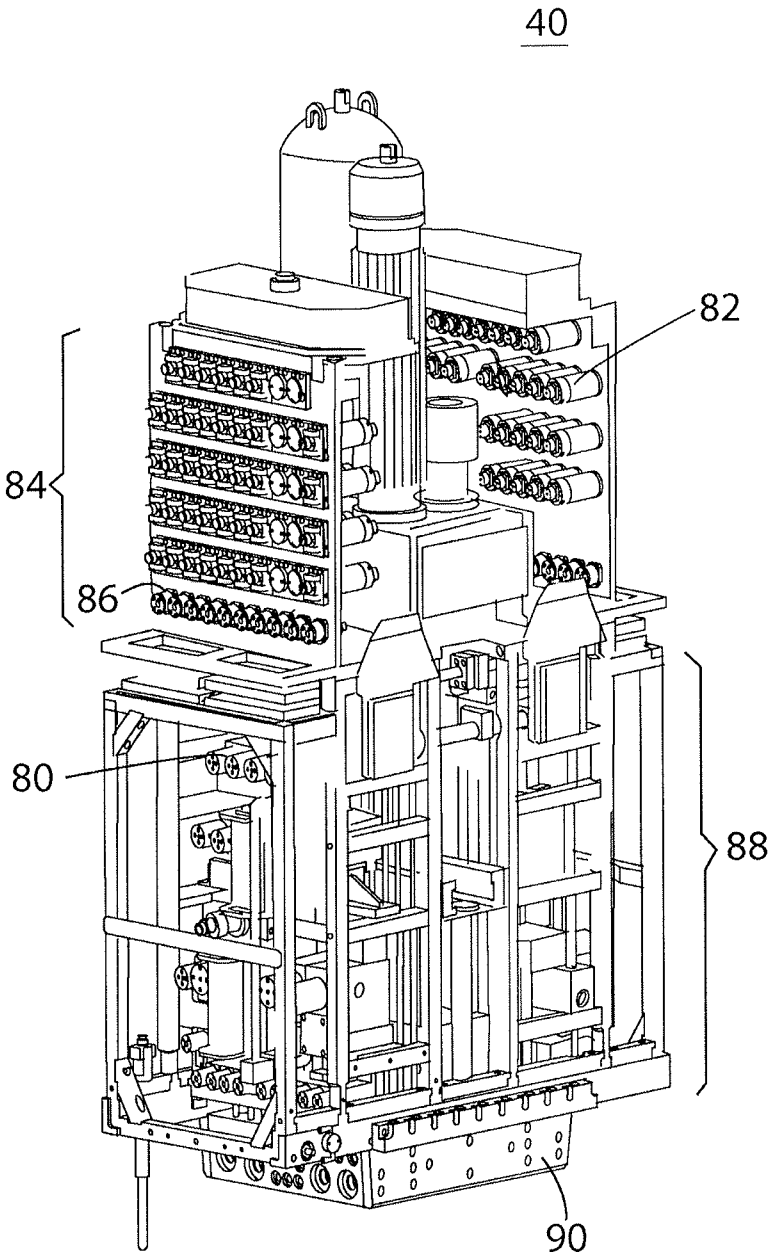


Figure 9

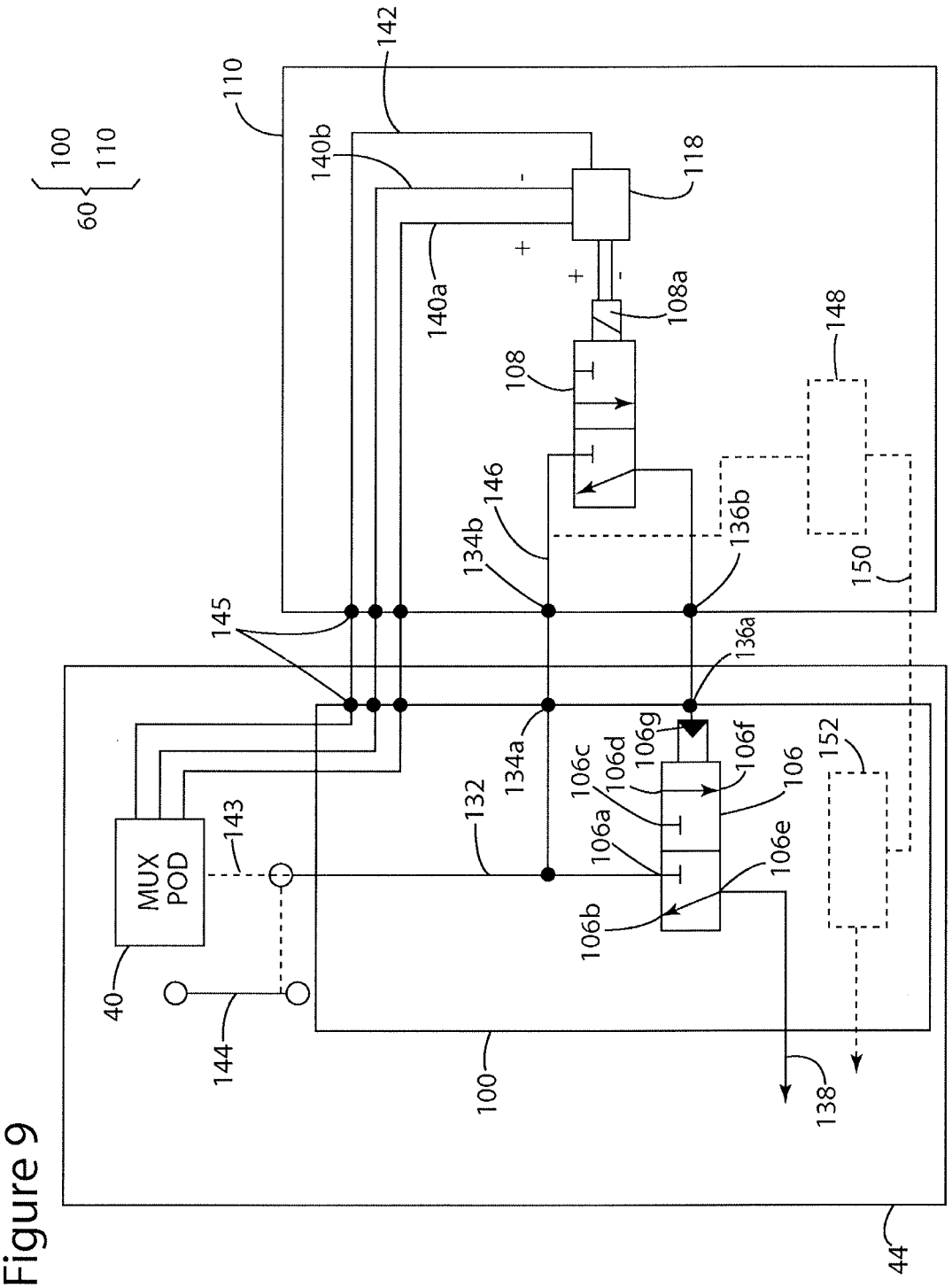

100
110
60
110
142
140b
118
140a
108a
108
148
146
134b
136b
150
145
136a
134a
106g
106f
106c
106d
106
152
132
106a
106e
143
MUX POD
106b
40
144
100
138
44

Figure 10

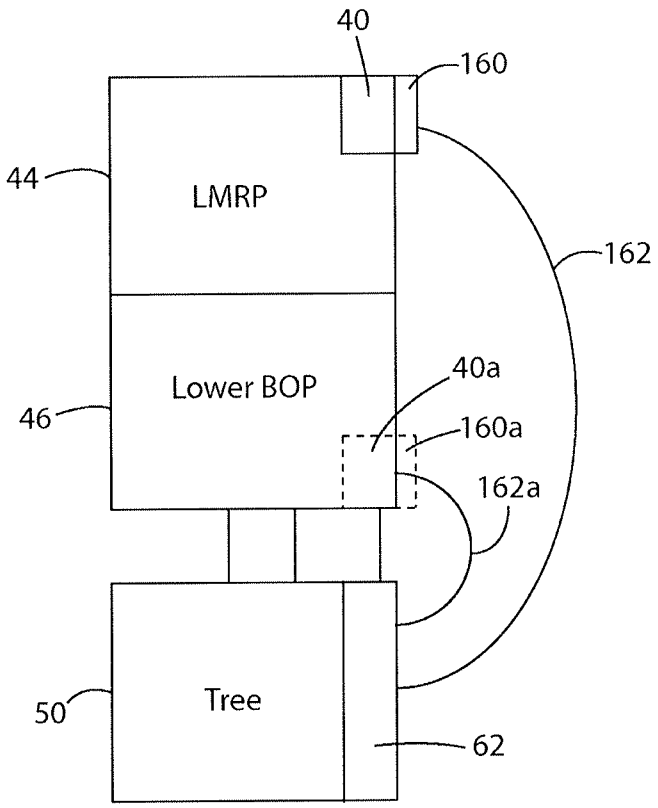
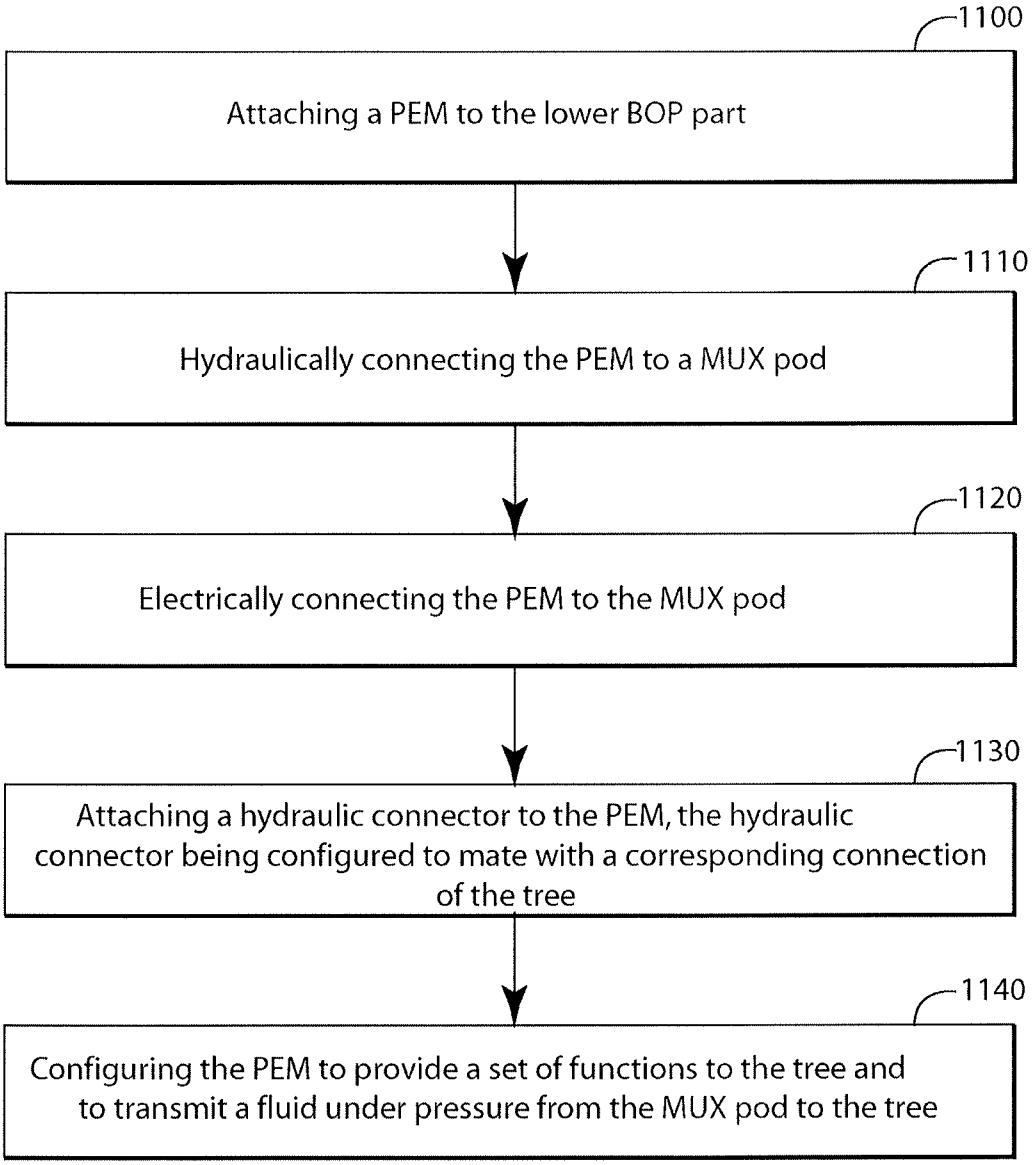


Figure 11


1100
Attaching a PEM to the lower BOP part
1110
Hydraulically connecting the PEM to a MUX pod
1120
Electrically connecting the PEM to the MUX pod
1130
Attaching a hydraulic connector to the PEM, the hydraulic connector being configured to mate with a corresponding connection of the tree
1140
Configuring the PEM to provide a set of functions to the tree and to transmit a fluid under pressure from the MUX pod to the tree